Amendments to the Specification:

Please replace the paragraph beginning on page 3, line 20 and ending at line 28 with the following paragraphs:

~~In one aspect the present invention provides a method of determining a routing for packets in a network, said method comprising:~~
~~a) dividing said network into WAN (Wide Area Network) segments and LAN (Local Area Network) segments;~~
~~b) determining a routing for packets through each segment;~~
~~c) combining routing results obtained in step b) to obtain a total routing through the network.~~

In accordance with a first broad aspect of the invention, there is provided a method of determining a routing for packets in a network of network objects, said method comprising:

a)   dividing said network into LAN (Local Area Network) segments of non-routing objects, and WAN (Wide Area Network) segments of routing objects;

b)   determining connections between non-routing objects, and between routing objects;

c)   determining a routing for packets through each segment based on connections determined in step b);

d)   combining said routing determined for each segment in step c) to obtain a total routing through the network.

In accordance with a second broad aspect of the invention, there is provided a method of determining a packet's routing through a LAN segment composed of multiple network objects, said method comprising:

a)   determining a network address of a source network object;

b)   determining a network address of a destination network object;

c)   determining which network objects receive packets from the source network object;

d)   determining connections between network objects using the topology of the LAN segment; and

e)   determining which network objects are in a route from the source network object to the destination network objects based on data obtained in steps c) and d).

In accordance with a third broad aspect of the invention, there is provided a method of determining the performance of a route in a network, the method comprising:

a)   determining a source network object;

b)   determining a destination network object;

c)   determining a route through the network from the source network object to the destination network object;

d)   measuring the network performance of each network object on the route; and

e)   aggregating the network performances obtained in step d) to obtain a total network performance for the route,

wherein said network performance comprises a network element's drop rate of packets and said total network performance comprises the end to end transmission fraction over a path,

wherein said end to end transmission fraction over a path is determined according to

$$T = \prod_{i=1..N} (1 - D(i))$$

where

T = end to end transmission fraction over a path from object 1-N

D(i) = drop rate of device i.